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EFS ID: 13891
Application ID: 09683779
Title of Invention: METHOD FOR OPERATING A PRE-CRASH SENSING SYSTEM IN A VEHICLE HAVING A COUNTERMEASURE SYSTEM USING A RADAR AND CAMERA
First Named Inventor: Manoharprasad Rao
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2002-02-13
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: 201-0633 FAM
Digital Certificate Holder: cn=Damian Porcari, ou=Registered Attorneys, ou=Patent and Trademark Office, ou=Department of Commerce, o=U.S. Government, c=US
Certificate Message Digest: GizHc7vT49bN19DeVC1PQQ==
Total Fees Authorized: \$820.0
Payment Category: DA - Deposit Account
Deposit Account Number: 61510
Deposit Account Name: Saundra M. Lewis



TRANSMITTAL FORM

JC474 U.S. PTO
09/683779
02/13/02

Electronic Version 1.0.3

Stylesheet Version: 1.0

Attorney Docket
Number:

201-0633
FAM

Submission Type: Utility Patent
Filing

METHOD FOR OPERATING A PRE- CRASH SENSING SYSTEM IN A VEHICLE HAVING A COUNTERMEASURE SYSTEM USING A RADAR AND CAMERA

First Named Inventor: Manoharprasad K. Rao

SUBMITTED BY

Organization Name:

Ford Motor Company

Name:

Saundra M. Lewis Electronic Filing
Specialist

Electronic Signature Mark: /sml

Date Signed: 20020213

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I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

declaration	declaration1of2.tif
declaration	declaration2of2.tif
declaration	consentletter.tif
declaration	infodisclosurestatement1of4.tif
declaration	infodisclosurestatement2of4.tif
declaration	infodisclosurestatement3of4.tif
declaration	infodisclosurestatement4of4.tif
bibd-transmittal	201-0633apds.xml
patent-assignments	201-0633asgn.xml
specification	Specification.xml
fee-transmittal	201-0633fee.xml

Attached Image File(s):

declaration1of2.tif
declaration2of2.tif
consentletter.tif
infodisclosurestatement1of4.tif
infodisclosurestatement2of4.tif
infodisclosurestatement3of4.tif
infodisclosurestatement4of4.tif

Comments:

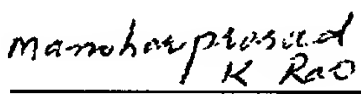

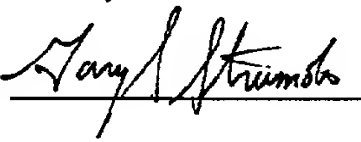
THE

DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION					Attorney's Docket No. 201-0633																													
<p>As a below named inventor, I hereby declare: My residence, post office address and citizenship are as stated below next to my name;</p> <p>I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is claimed for which a patent is sought on the invention entitled</p> <p>METHOD FOR OPERATING A PRE-CRASH SENSING SYSTEM IN A VEHICLE HAVING A COUNTERMEASURE SYSTEM USING A RADAR AND CAMERA</p> <p>the specification of which is attached hereto.</p> <p>I have reviewed and understand the contents of the specification identified above, including the claims.</p> <p>I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application in accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns,</p> <p style="margin-left: 40px;"><input checked="" type="checkbox"/> no such applications have been filed, or</p> <p style="margin-left: 40px;"><input type="checkbox"/> such applications have been filed as follows:</p> <p style="margin-left: 40px;"><input type="checkbox"/> I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"><thead><tr><th style="width: 15%;">COUNTRY</th><th style="width: 15%;">APPLICATION NO.</th><th style="width: 15%;">DATE OF FILING (month, day, year)</th><th style="width: 15%;">DATE OF ISSUE (month, day, year)</th><th style="width: 15%;">PRIORITY CLAIMED UNDER 35 USC 119</th><th style="width: 20%;"></th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td rowspan="2" style="vertical-align: top; padding: 5px;"><input type="checkbox"/> Additional provisions application numbers on a supplementary priority data PTO/SB/0 attached to this application</td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table> <p style="margin-top: 10px;">I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which is available between the filing date of the prior application and the national or PCT International filing date of this application.</p> <table style="width: 100%; margin-top: 10px;"><tr><td style="width: 33%; border-bottom: 1px solid black;">(Application Number)</td><td style="width: 33%; border-bottom: 1px solid black;">(Filing Date)</td><td style="width: 33%; border-bottom: 1px solid black;">(Status - patented, pending, abandoned)</td></tr><tr><td style="border-bottom: 1px solid black;"> </td><td style="border-bottom: 1px solid black;"> </td><td style="border-bottom: 1px solid black;"> </td></tr><tr><td style="border-bottom: 1px solid black;">(Application Number)</td><td style="border-bottom: 1px solid black;">(Filing Date)</td><td style="border-bottom: 1px solid black;">(Status - patented, pending, abandoned)</td></tr><tr><td style="border-bottom: 1px solid black;"> </td><td style="border-bottom: 1px solid black;"> </td><td style="border-bottom: 1px solid black;"> </td></tr></table> <p style="margin-top: 10px;">POWER OF ATTORNEY: - I/we hereby appoint the following Practitioners: Customer No. 28549, Kevin G. Mierzwa - 31 my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office and all foreign Patent Offices.</p>						COUNTRY	APPLICATION NO.	DATE OF FILING (month, day, year)	DATE OF ISSUE (month, day, year)	PRIORITY CLAIMED UNDER 35 USC 119							<input type="checkbox"/> Additional provisions application numbers on a supplementary priority data PTO/SB/0 attached to this application						(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)				(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)			
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(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)																																
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Artz & Artz PLC
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statement jeopardize the validity of the application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE	
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Gary Steven Strumolo 18910 Hillcrest Beverly Hills, MI 48025 US	Beverly Hills, MI 48025 US	U.S.A		1

PATENT APPLICATION

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D. C. 20231

Case Docket No. **201-0633**
Date: February 8, 2002

Sir:

Inventor(s):
Manoharprasad Rao
Kwaku Prakah-Asante
Gary Strumolo

For: **METHOD FOR OPERATING A PRE-CRASH SENSING SYSTEM IN A VEHICLE HAVING A
COUNTERMEASURE SYSTEM USING A RADAR AND CAMERA**

The attorney or agent below has reviewed this application and its attachments and consents to
electronic filing by the assignee.

Respectfully submitted:



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Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	Unassigned		
		Filing Date	Filed Herewith		
		First Named Inventor	Rao		
		Group Art Unit	Unknown		
Examiner Name	Unknown				
Sheet	1	of	4	Attorney Docket Number	201-0633

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Kind Code ² Number	(if known)			
	AA	3,514,610		Huston et al	05/26/70	
	BB	4,257,703		Goodrich	03/24/81	
	CC	4,381,829		Montaron	05/03/83	
	DD	4,623,966		O'Sullivan	11/18/86	
	EE	4,638,289		Zottnik	01/20/87	
	FF	4,673,937		Davis	06/16/87	
	GG	4,833,469		David	05/23/89	
	HH	4,916,450		Davis	04/10/90	
	II	4,969,103		Maekawa	11/06/90	
	JJ	4,992,943		McCracken	02/12/91	
	KK	4,994,972		Diller	02/19/91	
	LL	5,040,118		Diller	08/13/91	
	MM	5,063,603		Burt	11/05/91	
	NN	5,091,726		Shyu	02/25/92	
	OO	5,162,794		Seith	11/10/92	
	PP	5,166,881		Akasu	11/24/92	
	QQ	5,173,859		Deering	12/22/92	
	RR	5,182,459		Okano et al	01/26/93	
	SS	5,230,400		Kakinami et al	07/27/93	
	TT	5,234,071		Kajiwarra	08/10/93	
	UU	5,249,157		Taylor	09/28/93	
	VV	5,307,136		Saniyoshi	04/26/94	
	WW	5,314,037		Shaw et al	05/24/94	
	XX	5,430,432		Camhi et al	07/04/95	
	YY	5,467,283		Butsuen et al	11/14/95	
	ZZ	5,479,173		Yoshioka et al	12/26/95	

Examiner Initials	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Office ³	Number ⁴	Kind Code ⁵ (if known)			

Examiner Signature		Date Considered	
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*EXAMINER. Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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			First Named Inventor	Rao	
			Group Art Unit	Unknown	
			Examiner Name	Unknown	
Sheet	2	of	4	Attorney Docket Number	201-0633

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Kind Code ² Number	(if known)			
	A	5,502,432		Ohmamyuda et al	03/26/96	
	B	5,521,580		Kaneko et al	05/28/96	
	C	5,526,269		Ishibashi et al	06/11/96	
	D	5,534,870		Avignon et al	07/09/96	
	E	5,541,590		Nishio	07/30/96	
	F	5,552,986		Omura et al	09/03/96	
	G	5,572,428		Ishida et al	11/05/96	
	H	5,574,463		Shirai et al	11/12/96	
	I	5,594,414		Namqani	01/14/97	
	J	5,602,760		Chacon et al	02/11/97	
	K	5,604,683		Roecker	02/18/97	
	L	5,629,847		Shirakawa et al	05/13/97	
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	N	5,646,612		Byon	07/08/97	
	O	5,680,097		Uemura et al	10/21/97	
	P	5,684,474		Gilon et al	11/04/97	
	Q	5,689,264		Ishikawa et al	11/18/97	
	R	5,699,040		Matsuda	12/16/97	
	S	5,699,057		Ikeda et al	12/16/97	
	T	5,710,565		Shirai et al	01/20/98	
	U	5,745,870		Yamamoto et al	04/28/98	
	V	5,748,477		Kato	05/05/98	
	W	5,749,426		Gilling	05/12/98	
	X	5,751,211		Shirai et al	05/12/98	
	Y	5,751,836		Wildes et al	05/12/98	
	Z	5,754,099		Nishimura et al	05/19/98	
	1	5,771,481		Gilling	06/23/98	
	2	5,779,264		Demesseman et al	07/14/98	
	3	5,808,561		Kinoshita et al	09/15/98	
	4	5,815,093		Kikinis	09/29/98	
	5	5,835,007		Kosiak	11/10/98	
	6	5,835,873		Darby et al	11/10/98	
	7	5,838,228		Clark	11/17/98	
	8	5,847,472		Byon	12/08/98	
	9	5,847,755		Wixson et al	12/08/98	
	10	5,872,536		Lyons et al	02/16/99	
	11	5,905,457		Rashid	05/18/99	
	12	5,906,393		Mazur et al	05/25/99	
	13	5,920,345		Sauer	07/06/99	
	14	5,926,126		Engelman	07/20/99	
	15	5,936,549		Tsuchiya	08/10/99	
	16	5,938,714		Satonaka	08/17/99	
	17	5,948,026		Beemer II et al	09/07/99	

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Examiner Initials	Cite No. ¹	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Kind Code ² Number (if known)	(if known)			
	18	5,949,366		Herrman	09/07/99	
	19	5,949,918		McCaffrey	09/07/99	
	20	5,955,967		Yamada	09/21/99	
	21	5,959,552		Cho	09/28/99	
	22	5,963,272		Wixson	10/05/99	
	23	5,964,822		Alland et al	10/12/99	
	24	5,983,161		Lemelson et al	11/09/99	
	25	5,995,037		Matsuda et al	11/30/99	
	26	5,999,117		Engel	12/07/99	
	27	5,999,874		Winner et al	12/07/99	
	1A	6,002,983		Alland et al	12/14/99	
	2A	6,018,308		Shirai	01/25/00	
	3A	6,025,797		Kawai et al	02/15/00	
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	5A	6,031,484		Bullinger et al	02/29/00	
	6A	6,037,860		Zander et al	03/14/00	
	7A	6,044,166		Bassman et al	03/28/00	
	8A	6,044,321		Nakamura et al	03/28/00	
	9A	6,049,619		Anandan et al	04/11/00	
	10A	6,061,105		Sugimoto	05/09/00	
	11A	6,076,028		Donnelly et al	06/13/00	
	12A	6,084,508		Mai et al	07/04/00	
	13A	6,085,151		Farmer et al	07/04/00	
	14A	6,087,928		Kleinberg et al	07/11/00	
	15A	6,088,639		Fayyad et al	07/11/00	
	16A	6,094,152		Oterfeld et al	07/25/00	
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	19A	6,121,896		Rahman	09/19/00	
	20A	6,148,943		Kodaka et al	11/21/00	
	21A	6,151,539		Bergholz et al	11/21/00	
	22A	6,157,892		Hada et al	12/05/00	
	23A	6,161,074		Sielagowski et al	12/12/00	
	24A	6,168,198		Breed et al	01/02/01	
	25A	6,169,479		Boran et al	01/02/01	
	26A	6,177,866		O'Connell	01/23/01	
	27A	6,185,490		Ferguson	02/06/01	
	1B	6,186,539		Foo et al	02/13/01	
	2B	6,188,316		Matsuno et al	02/13/01	
	3B	6,191,704		Takenaga et al	02/20/01	
	4B	6,204,756		Senyk et al	03/20/01	
	5B	6,209,909		Breed	04/03/01	

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		Group Art Unit	Unknown		
		Examiner Name	Unknown		
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		Kind Code ²	Number (if known)			
	6B		6,218,960	Ishikawa et al	04/17/01	
	7B		6,219,606	Wessels et al	04/17/01	
	8B		6,223,125	Hall	04/24/01	
	9B		6,225,918	Kam	05/01/01	
	10B		6,226,389	Lemelson et al	05/01/01	
	11B		6,229,438	Kutlucinar et al	05/08/01	
	12B		6,246,961	Sasaki et al	06/12/01	
	13B		6,249,738	Higashimata et al	06/19/01	
	14B		6,256,584	Kodaka et al	07/03/01	
	15B		6,259,992	Urai et al	07/10/01	

FOREIGN PATENT DOCUMENTS								
Examine Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		JP	54-65934A		Mimura et al	05/28/79		
		EP	0720928 A2		Lucas Industries Public Limited Co.	10/07/96		
		WO	98/37435		Hittite Microwave Corporation	08/27/98		
		WO	98/58274		Cel-siustech Systems	12/23/98		

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

FEE TRANSMITTAL

Electronic Version 1.1.0
Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 820

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 06-1510
Deposit Account Name: Ford Global Technologies, Inc.



Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

SUBMITTED BY

Authorized Name: Sandra M. Lewis
Electronic Signature Mark: /sml
Date Signed: 20020213

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 20	103	\$ 18	0	\$ 0
Independent Claims: 3	102	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 80

100-443886-100